

Features

- Maintenance-free because of long-life ultra capacitors
- Microcontroller based charging and discharging of the ultracapacitors
- Control of operation and status charge with potential-free contacts and LED
- Capacity extension possible with external capacitor extension modules



Nominal input voltage	115 V ~ 230 V AC ($\pm 15\%$)
Input voltage range for changing operation	97,8 V ~ 264,5 V AC
Nominal frequency	47 Hz ~ 63 Hz
Max. nominal input current	0,84 A @ 115 V AC / 0,42 A @ 230 V AC
Max. inrush current	30 A / 2 ms
Nominal output current Max	3 A DC (bei 0,94 kJ)
Nominal output current at maximum energy	2 A DC (bei 1,0 kJ)
Current limitation	1,05 ~ 1,5 x I_{Nenn}
Nominal output voltage (in mains operation)	24,3 V DC $\pm 2\%$
Output voltage (in back-up operation)	23,5 V DC $\pm 2\%$
Energy	1 kJ
Max. power loss, worst-case	12 W
Efficiency	88% @ ($U_e=230$ V AC; $U_a=24,3$ V DC; $I_a=I_{Nenn}$)
Internal device protection	2,5 A (T), 250 V
Fuse DC-output circuit (external)	3,15 A (T)
Parallel operation	Yes
Serial operation	Yes
Type of connection: input U_e	screw terminal max. 2,5 mm ² 0,5-0,6 Nm
Type of connection: output U_a	screw terminal max. 2,5 mm ² 0,5-0,6 Nm
Type of connection: message contact	screw terminal max. 2,5 mm ² 0,5-0,6 Nm
Max. load message contact (U_e -OK)	30 V / 0,5 A potential-free relay-contact
Max. load message contact (U_c >)	30 V / 0,5 A potential-free relay-contact
Protective system	IP20 u. EN 60529
Environmental temperature	-20 °C ~ 60 °C
Storage temperature	-20 °C ~ 60 °C
Rel. humidity	$\leq 95\%$ condensation not permissible
Max. mounting height (without load reduction)	1000 above sea level
Dimensions (H x W x D)	152,5 x 72 x 130 mm
Weight	0,85 Kg